



12W
Atty. Dkt. No. 035532-0141

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Yuichi OSHIMA et al.

Title: POROUS SUBSTRATE FOR EPITAXIAL GROWTH, METHOD FOR
MANUFACTURING SAME, AND METHOD FOR MANUFACTURING
III-NITRIDE SEMICONDUCTOR SUBSTRATE

Appl. No.: 10/821,921

Filing Date: 04/12/2004

Examiner: Unassigned

Art Unit: 2811

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop AMENDMENT
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of a document known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed document are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

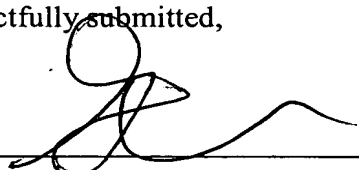
RELEVANCE OF EACH DOCUMENT

Applicants wish to bring to the Examiner's attention that non-patent literature document "Room-Temperature Continuous-Wave Operation of InGaN Multi-Quantum-Well Laser Diodes Grown on an n-GaN Substrate with a Backside n-Contact" previously submitted on April 12, 2004 as cite no. A7, was missing page L185. We are now submitting the complete article (cite no. A7). We ask that you substitute the old PTO/SB/08 with the currently submitted showing the correct amount of pages submitted.

Applicant respectfully requests that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

By 

Date: August 11, 2004

FOLEY & LARDNER LLP
Customer Number: 22428
Telephone: (202) 672-5426
Facsimile: (202) 672-5399

Glenn Law
Attorney for Applicant
Registration No. 34,371

AUG 11 2004

MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: April 12, 2004

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	Unassigned
Filing Date	04/12/2004
First Named Inventor	Yuichi OSHIMA
Group Art Unit	2811
Examiner Name	Unassigned
Attorney Docket Number	035532-0141

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	2002/0197825	A1	USUI ET AL.	12-26-2002	
	A2	6,555,845	B2	SUNAKAWA ET AL.	04-29-2003	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A3	JP	2003-178984	A	NEC CORP., ET AL.	06-27-2003		Abst.
	A4	JP	10-312971	A	NEC CORP.	11-24-1998		Abst.
	A5	JP	63-188983	A	RICOH CO., LTD., ET AL.	08-04-1988		Abst.

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A6	Ok-Hyun Nam et al., "Lateral Epitaxy of Low Defect Density GaN Layers via Organometallic Vapor Phase Epitaxy", Appl. Phys. Lett. 71 (18), 3 November 1997, pages 2638-2640.	
	A7	M. Kuramoto et al., "Room-Temperature Continuous-Wave Operation of InGaN Multi-Quantum-Well Laser Diodes Grown on an n-GaN Substrate with a Backside n-Contact", Jpn. J. Appl. Phys., Vol. 38, (1999), pages L184 -L186.	
	A8	T. Zheleva et al., "Pendeo-Epitaxy - A New Approach for Lateral Growth of Gallium Nitride Structures", MRS Internet J. Nitride Semicond. Res. 4S1, G3.38 (1999), 3 pages.	

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.